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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of 2

Complete if Known

Application Number	10/635,566
Filing Date	August 7, 2003
First Named Inventor	Gerard J. MacNeil
Art Unit	
Examiner Name	

Attorney Docket Number 6337.1041

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)			
THS	1	US- 2,017,042	10-15-1935	Dougherty	
	2	US- 2,089,597	08-10-1937	Carter	
	3	US- 2,090,851	08-24-1937	Perkins	
	4	US- 2,461,517	02-15-1949	Carnevale	
	5	US- 3,016,201	01-09-1962	Brogden	
	6	US- 3,074,649	01-22-1963	Atkinson	
	7	US- 3,099,852	08-06-1963	Grant	
	8	US- 3,109,262	11-05-1963	Weaver, et al.	
	9	US- 3,153,510	10-20-1964	Brannfors, et al.	
	10	US- 3,230,668	01-25-1966	Stanley	
	11	US- 3,833,175	09-03-1974	Pulk, deceased et al	
	12	US- 4,073,302	02-14-1978	Jones	
	13	US- 4,161,956	07-24-1979	Hadkiss	
	14	US- 4,314,427	02-09-1982	Stoltz	
	15	US- 4,603,661	08-05-1986	Nelson, et al.	
	16	US- 4,690,159	09-01-1987	Vadakin, et al.	
	17	US- 5,004,156	04-02-1991	Montanier	
	18	US- 5,018,545	05-28-1991	Wells	
THS	19	US- 5,020,188	06-04-1991	Walton	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (If known)			
THS	1	DE 2242062			
	2	EP 0 365 921	05-02-1990	Ruholl	
	3	FR 2 499 880	08-20-1982	Georges, et al.	
	4	GB 2252807	08-19-1992	Anthony, et al.	
	5	JP 3089-986-A	09-01-1989	Unknown	
THS	6	JP 3089-987-A	09-01-1989	Unknown	

Examiner Signature

THS

Date Considered

9/30/05

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 12

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JKS	20	US- 5,046,289	09-10-1991	Bengel, et al.	
	21	US- 5,052,423	10-01-1991	Chapman, et al.	
	22	US- 5,072,487	12-17-1991	Walton	
	23	US- 5,081,800	01-21-1992	Ruholl	
	24	US- 5,113,885	05-19-1992	Ramsey	
	25	US- 5,203,646	04-20-1993	Landsberger, et al.	
	26	US- 5,317,782	06-07-1994	Matsuura, et al.	
	27	US- 5,322,080	06-21-1994	Rankin	
	28	US- 5,352,298	10-04-1994	Moulder	
	29	US- 5,518,553	05-21-1996	Moulder	
	30	US- 5,520,734	05-28-1996	Taylor, et al.	
	31	US- 5,522,677	06-04-1996	Schlecht	
	32	US- 5,561,883	10-08-1996	Landry, et al.	
JKS	33	US- 5,851,580	12-22-1998	Amberg, et al.	
		US-			

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		Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)			
JKS	7	JP 6-7754	01-18-1994	Kubota	
	8	SU 597441	02-27-1978	Unknown	
	9	SU 379295	07-02-1973	Unknown	
	10	SU 749458	07-25-1980	Unknown	
JKS	11	WO 98-07532	02-26-1998	De Raad, et al.	

Examiner Signature	<i>JKS</i>	Date Considered	3/30/07
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